

## **Request for Public Comment**

### **Collection of Data on Specialized Cardiac Care Services: Percutaneous Coronary Intervention Services (Primary and Non-Primary) and Cardiac Surgery Services**

#### **Background**

The Maryland Health Care Commission (MHCC) defines specialized cardiac care to include three major services: (1) emergency angioplasty, referred to as primary percutaneous coronary intervention (pPCI) services, for certain types of heart attacks or ST elevation myocardial infarctions (STEMIs); (2) elective or non-primary PCI; and, (3) cardiac surgery. There are currently ten Maryland hospitals that offer all three specialized cardiac care services. In addition, thirteen Maryland hospitals without cardiac surgery on-site provide pPCI services under a waiver program established by the Commission.<sup>1</sup>

Under COMAR 10.24.17<sup>2</sup> and COMAR 10.25.04<sup>3</sup>, the Commission collects data on patients receiving specialized cardiac care services. The Commission is interested in adopting a standard data set for each category of specialized cardiac care service that will provide high quality and timely data measuring the process and outcomes of care. Specifically, the Commission is interested in receiving public comment and stakeholder input on alternative approaches to the collection of data on specialized cardiac care services, including primary and non-primary PCI and cardiac surgery services.

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##### **Percutaneous Coronary Intervention Services (Primary and Non-Primary PCI)**

The STEMI Registry, which began in 2006, collects data on all STEMI patients undergoing pPCI in hospitals without on-site cardiac surgery programs approved under the Commission's pPCI waiver program. The STEMI Registry was developed by the Commission to continue data collection for pPCI patients following the important research study and registry conducted by the Cardiovascular Patient Outcomes Research Team (C-PORT) project involving pPCI services in hospitals without on-site cardiac surgery services. Most of the 13 hospitals participating in the Commission's STEMI Registry were participants in the earlier study or registry sponsored by the C-PORT project. The STEMI Registry does not currently include patients undergoing pPCI in the ten Maryland hospitals with cardiac surgery programs on-site. Detailed information regarding the STEMI Registry instrument and reporting specifications are available from MHCC.

Since the development of the Commission's STEMI Registry, the American College of Cardiology's National Cardiovascular Data Registry (NCDR) facilitated the creation of the Acute Coronary Treatment and Intervention Outcomes Network (ACTION) Registry in 2007. In June 2008, the

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<sup>1</sup> Nine of these hospitals have been approved by the Commission to participate in a research study of non-primary PCI in hospitals without cardiac surgery on-site.

<sup>2</sup> COMAR 10.24.17.05D(1) State Health Plan for Facilities and Services: Specialized Health Care Services-Cardiac Surgery and Percutaneous Coronary Intervention Services, Waiver from Policies, Primary Percutaneous Coronary Intervention in Hospitals without On-Site Cardiac Surgery. Table A-1, Process and Outcome Measures for Ongoing Quality Assessment.

<sup>3</sup> COMAR 10.25.04.02B, Hospital Quality and Performance Evaluation System, Hospital Evaluation—Data Collection and Reporting Requirements.

American Heart Association's Get With the Guidelines-Coronary Artery Disease (CAD) Program joined in to create NCDR ACTION Registry®-GWTG™. The ACTION Registry targets Eleven Maryland hospitals currently participate in the ACTION Registry®-GWTG™ database, including seven of the 13 hospitals that also participate in the Commission's STEMI Registry. Two hospitals with cardiac surgery programs on-site and two other hospitals also participate in the ACTION Registry®-GWTG™ database. Detailed information regarding the ACTION Registry®-GWTG™ instrument and reporting specifications are available from ACC at: <http://www.ncdr.com/WebNCDR/ACTION/Elements.aspx>

Data on PCI services is also collected using the American College of Cardiology's NCDR CathPCI Registry® instrument. A total of 18 Maryland hospitals participate in the CathPCI database, including all 10 hospitals with cardiac surgery on-site and eight of the 13 pPCI waiver hospitals. Detailed information regarding the CathPCI Registry® instrument and reporting requirements are available from ACC at: <http://www.ncdr.com/WebNCDR/ELEMENTS.ASPX>

The Commission seeks public comments on the following:

- **Should the Commission establish a Maryland STEMI database to include all hospitals providing pPCI services?**
- **Should the ACTION Registry®-GWTG™ be adopted as the standard data set required for all Maryland pPCI patients?**
- **Should the Commission adopt the NCDR CathPCI Registry® data base for PCI services?**

### **Cardiac Surgery Services**

The National Database for Cardiac Surgery (Adult Cardiac Surgery Database) created by The Society for Thoracic Surgeons (STS) is widely used by hospitals with cardiac surgery programs to collect data on cardiac surgery services. In addition to seeking comment on data sets for PCI services, the Commission is interested in receiving comments on whether Maryland should adopt the STS Adult Cardiac Surgery data set. Detailed information regarding the Adult Cardiac Surgery Database is available from STS at: <http://www.sts.org/sections/stsnationaldatabase/datamanagers/> The Commission also seeks public comment on the following:

- **Should the Commission adopt the STS Adult Cardiac Surgery database for adult cardiac surgery services?**

Public comment and stakeholder input on alternative approaches to the collection of data on specialized cardiac care services, including primary and non-primary PCI and cardiac surgery services, should be forwarded not later than 4:00 p.m. on **Friday, October 23, 2009** to: Pamela W. Barclay, Director, Center for Hospital Services, Maryland Health Care Commission, 4160 Patterson Avenue, Baltimore, Maryland 21215; [pbarclay@mhcc.state.md.us](mailto:pbarclay@mhcc.state.md.us)

*Posted to the Website  
September 28, 2009*